



## CHRYSO® Fluid Premia 500



### Superplasticizer – High Range Water Reducer

#### Description

CHRYSO® Fluid Premia 500 is a new generation superplasticizer – high range water reducer, based on patented innovative polymers.

CHRYSO® Fluid Premia 500 is particularly recommended for concrete requiring high early and long-term compressive strengths.

When used in low water/cement ratio or high fines content concrete such as Self Compacting Concrete (SCC), CHRYSO® Fluid Premia 500 allows for outstanding placeability and finish properties.

CHRYSO® Fluid Premia 500 allows for superior early strengths, finish and durability of concrete.

#### Characteristics

- Nature: liquid
- Colour: yellow
- Density:  $1.070 \pm 0.020$
- pH:  $3,50 \pm 1$
- Cl<sup>-</sup> ion content:  $\leq 0.10 \%$
- Na<sub>2</sub>O equiv.:  $\leq 3.5.00 \%$
- Solid content (halogen):  $25.5 \% \pm 1.3\%$
- Dry extract (EN 480-8):  $25.5 \% \pm 1.3\%$

#### Conformity

CHRYSO® Fluid Premia 500 is a superplasticizer – high range water reducer which conforms to CE marking. The appropriate declaration can be found on our internet site.

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#### Method of use

##### Applications

- All types of cement
- Any concrete where very high early strengths are desirable
- Wetcast
- HPC, VHPC and UHPC
- Pre-stressed concrete
- Plastic to high flowability concrete
- Self-compacting concrete

##### Directions for use

Dosage: between 0.3 and 3.0 kg per 100 kg of cement.  
A 0.8 % dosage of the product to the weight of cement is commonly used.

It is preferable to add CHRYSO® Fluid Premia 500 to the water before mixing the concrete. However, it can be added afterwards.

##### Precautions

Do not store product at high temperatures for long periods

Store CHRYSO® Fluid Premia 500 away from frost, at a temperature above 0°C.

Do not store in PVC recipients.

Should the product freeze, it keeps its properties. After thawing, it is necessary to agitate thoroughly until complete recovery of a homogeneous product.

Shelf life: 12 months.



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#### SAFETY

CHRYSO® Fluid Premia 360 is classified as “harmless”. In case of exposure, it is recommended to wear your protective equipment.

Before use, refer to the Safety Data Sheet on our internet site [www.chryso.com](http://www.chryso.com)

*The information contained in this document is given to the best of our knowledge and is the result of objective testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of the users to help with any problem they may have.*

“Please enquire for the latest update

Latest update : 03/2013